

## TYPO3.Flow - Feature #3620

### Implement a request stack

2009-06-08 22:22 - Andreas Förthner

|                        |                  |                        |             |
|------------------------|------------------|------------------------|-------------|
| <b>Status:</b>         | Closed           | <b>Start date:</b>     | 2010-03-08  |
| <b>Priority:</b>       | Should have      | <b>Due date:</b>       |             |
| <b>Assignee:</b>       | Andreas Förthner | <b>% Done:</b>         | 10%         |
| <b>Category:</b>       | MVC              | <b>Estimated time:</b> | 14.00 hours |
| <b>Target version:</b> | 1.0 beta 2       | <b>Complexity:</b>     |             |
| <b>PHP Version:</b>    |                  |                        |             |
| <b>Has patch:</b>      |                  |                        |             |

#### Description

Intercepted requests (e.g. because of a security exception) should be pushed on the stack. After resolving the problem the request should be popped from the stack again and restarted or resumed.

#### History

##### #1 - 2009-11-24 09:48 - Robert Lemke

- Status changed from New to Accepted
- Assignee changed from Andreas Förthner to Robert Lemke

##### #2 - 2009-11-24 09:49 - Robert Lemke

- Target version set to 1.0 alpha 7

##### #3 - 2010-01-13 12:13 - Robert Lemke

- Target version changed from 1.0 alpha 7 to 1.0 alpha 8

##### #4 - 2010-03-09 17:46 - Robert Lemke

- Start date changed from 2009-06-08 to 2010-03-08
- % Done changed from 0 to 10
- Estimated time set to 14.00 h

##### #5 - 2010-04-15 22:25 - Karsten Dambekalns

- Target version changed from 1.0 alpha 8 to 1.0 alpha 9

##### #6 - 2010-05-28 17:37 - Robert Lemke

- Target version deleted (1.0 alpha 9)

##### #7 - 2011-01-07 11:17 - Andreas Förthner

- Target version set to 1.0 beta 1

##### #8 - 2011-01-10 14:01 - Bastian Waidelich

FLOW3 Request Stack

Idea: reconstitute original request after login/validation errors

- > also a way to implement CSRF security w/o hashes on every link/form

Evaluate possibility to make request stack optional:

- if Request Stack is disabled, current request could be attached to links/forms in a serialized form (similar to the hidden referrer fields in Fluid forms now)

If an error occurs (validation error, security exception...)

- catch exception/error
- push current parent request on the stack `$request->pushToStack();` or `$requestStack->pushRequest($request)`
- do something else - > e.g. call authentication entry point (login page)

- in the action controller: `$this->replayLastRequest();`
- (future feature): if session based request stack is inactive (by configuration) the current request could hold the last request as argument (`__referrer...`)

`foo?@package=MyMainPackage&f3_MyPlugin[@package]=MySubPackage`

```
<input type="hidden" name="__referrer[package]" value="MyMainPackge" />
<input type="hidden" name="f3_MyPlugin[__referrer][package]" value="MySubPackge" />
```

Questions:

- Should every request be pushed to the stack by default (only the last request)?
- Can hidden referrer fields really be replaced by the stack?
- What about multiple forms on one page? - > should work because we're only interested in the parent request

session based:

login link:

```
<a href="secure">link</a>
- > push request to stack
- > display login form
- > resume request
```

form validation:

```
- > push request to stack (form view helper? no, should happen by default)
<input type="text" name="name" />
- > // validation errors
- > resume request
```

stateless (without session):

```
<a href="secure?__referrer=xyz">link</a>
- > display login form - add hidden fields for referrer
- > build request from referrer & arguments from current request
```

```
<input type="text" name="name" />
<input type="hidden" name="__referrer.." value="xyz" />
- > // validation errors
- > build request from referrer & arguments from current request
```

"Normal" login process

- Request1 (show link to protected page)
- RequestStack: Request1
- Request2 (click on link)
- SecurityException - > redirect to login form (Request3)
- RequestStack: Request2, Request3
- Request4 (login form submit)
- Login accepted - > redirect to original Request (Request2)
- RequestStack: Request4

Login process with validation errors:

- Request1 (show link to protected page)
- RequestStack: Request1
- Request2 (click on link)
- SecurityException - > redirect to login form (Request3)
- RequestStack: Request2, Request3
- Request4 (login form submit)
- Login validation error - > redirect to login form with Request3 & arguments from Request4
- RequestStack: Request2, Request3

**#9 - 2011-08-04 08:42 - Sebastian Kurfuerst**

- Target version changed from 1.0 beta 1 to 1.0 beta 2

**#10 - 2011-08-04 08:42 - Sebastian Kurfuerst**

- *Status changed from Accepted to Needs Feedback*
- *Assignee changed from Robert Lemke to Andreas Förthner*

Hey Andi,

I doubt this is still needed. Didn't we talk about it and came to the conclusion to drop the request stack?

Greets,  
Sebastian

**#11 - 2011-08-04 14:53 - Andreas Förthner**

- *Status changed from Needs Feedback to Closed*

The request stack feature was mainly intended to be used for intercepted requests due to missing authentication. However, this has been now done in a specific implementation within the security framework and the generic login controller. I.e. for now we don't need a generic request stack anymore...